|          | Index of Claims              |          |              |          |          |          |                 |          |           |   |   |           |            | Application/Control No. |                 |            |                   |          |           |              |          |          | Applicant(s)/Patent under Reexamination |              |            |                |          |              |           |              |           |           |          |   |  |  |
|----------|------------------------------|----------|--------------|----------|----------|----------|-----------------|----------|-----------|---|---|-----------|------------|-------------------------|-----------------|------------|-------------------|----------|-----------|--------------|----------|----------|---|--------------|------------|----------------|----------|--------------|-----------|--------------|-----------|-----------|----------|---|--|--|
|          |                              |          |              |          |          |          |                 |          |           |   |   |           |            |                         | 10              | 10/729,000 |                   |          |           |              |          |          |   |              |            | GUYNN, JOHN M. |          |              |           |              |           |           |          |   |  |  |
|          |                              |          |              |          |          |          |                 |          |           |   |   |           |            |                         |                 | Examiner   |                   |          |           |              |          |          |   |              | Art Unit   |                |          |              |           |              | · · · ·   |           |          | - |  |  |
|          |                              |          |              |          |          |          |                 |          |           |   |   |           |            |                         |                 |            | Andrea M. Valenti |          |           |              |          |          |   |              | 3643       |                |          |              |           |              |           |           |          |   |  |  |
|          | √ Rejected _ (Through numera |          |              |          |          |          |                 |          |           |   |   |           |            |                         | al) Non-Elected |            |                   |          |           |              |          |          |   | П            |            |                |          |              |           | 7            |           |           |          |   |  |  |
|          |                              |          |              |          |          | Rejected |                 |          | [-]       |   |   | Cancelled |            |                         |                 |            |                   |          |           | N            | Non-Eie  |          |   | rted         |            | A              | Appeal   |              |           |              |           |           |          |   |  |  |
|          | =                            |          |              | Allowed  |          |          | d               |          |           | + |   |           | Restricted |                         |                 |            |                   |          |           | ١            | In       | terfe    | erei                                    | nce          |            | 0              | Objected |              |           |              | •         |           |          |   |  |  |
| [        | Claim                        |          |              |          | Date     |          |                 |          |           |   |   |           | Claim      |                         |                 |            | Dat               |          |           | е            |          | C        |   |              | aim        |                | Date     |              |           |              |           |           |          |   |  |  |
|          | <u>_</u>                     | na .     | اک           |          |          |          | :               |          |           |   |   |           | ख          | nal                     |                 |            |                   |          |           |              | -        |          |   | न्त          | nal        |                |          |              |           |              |           |           |          |   |  |  |
|          | Final                        | Original | 12/2/02      |          |          |          |                 |          |           |   |   |           | Final      | Original                |                 |            |                   |          |           |              |          |          |   | Final        | Original   |                |          |              |           |              |           |           |          |   |  |  |
| į        |                              | 1        | <b>\</b>     |          |          |          |                 |          |           |   |   |           |            | 51                      |                 |            | 1                 | 1        | 1         | 1            | _        |          | ]                                       |              | 101        |                | 1        |              | 土         |              |           |           |          |   |  |  |
| -        | _                            | 2        | 1            |          | _        |          |                 |          |           |   |   |           |            | 52<br>53                | $\dashv$        | 4          | 4                 | 4        | 4         | -            | -        | +        | 4                                       | <u> </u>     | 102<br>103 |                | +        | _            | +         | +            | +         | +         | Н        |   |  |  |
| 1        |                              | 4        | \<br>\       |          | $\dashv$ | $\dashv$ |                 |          |           |   |   |           |            | 54                      |                 | $\dashv$   | ┪                 | +        | $\dagger$ | $\dashv$     | $\dashv$ | -   -    | -                                       | <del> </del> | 103        | $\vdash$       | 7        | +            | +         | +            | +         | ╁╴        | Н        |   |  |  |
|          |                              | 5        | Ž            |          |          |          |                 |          |           |   |   |           |            | 55                      |                 |            | $\Box$            | 1        |           | $\Box$       |          |          | ]                                       |              | 105        |                | 1        | 1            |           | Ţ            | I         |           |          |   |  |  |
| 1        |                              | 6        | <b>/</b>     |          |          |          |                 | _        | _         |   |   |           |            | 56<br>57                |                 | $\dashv$   | 4                 | +        | $\dashv$  | $\dashv$     | $\dashv$ | - -      | -                                       |              | 106<br>107 | $\vdash$       | $\dashv$ | +            | +         | +            | +         | +         | Н        |   |  |  |
| }        |                              | <u>7</u> | Ž            | $\vdash$ | $\dashv$ | $\dashv$ | Н               |          | -         | - |   |           |            | 58                      | $\dashv$        | +          | +                 | +        | $\dashv$  | $\dashv$     | $\dashv$ | ╁        | ╣                                       | -            | 108        | H              | $\dashv$ | +            | $\pm$     | ╁            | +         | +         | H        |   |  |  |
|          |                              | 9        | Ż            |          |          |          |                 |          |           |   |   |           | ·          | 59                      |                 | ╡          |                   |          | ⇉         |              |          |          | ]                                       |              | 109        |                | 二        |              |           |              |           |           |          |   |  |  |
|          |                              | 10       | <u>\</u>     |          |          |          |                 |          |           |   |   |           |            | 60                      |                 | 4          | 4                 | $\dashv$ | 4         | 4            | 4        | $\perp$  | 4                                       |              | 110        | Ш              | $\dashv$ | _            | _         | _            | 4         | -         | Щ        |   |  |  |
| į        |                              | 11<br>12 | 7            |          |          | -        |                 |          |           |   |   |           |            | 61<br>62                | -               | $\dashv$   | -+                | $\dashv$ | +         | $\dashv$     | $\dashv$ | +        | -                                       |              | 111<br>112 |                | -        | +            | +         | ╁            | +         | +-        | Н        |   |  |  |
| ŀ        |                              | 13       | 7            |          |          | -        |                 |          |           |   |   |           |            | 63                      |                 | $\dashv$   | 7                 | 7        | 7         | +            | $\dashv$ | 1        | 1                                       | -            | 113        |                | 寸        | +            | +         | $\dagger$    | $\dagger$ | $\dagger$ |          |   |  |  |
| Ţ        |                              | 14       | 12.1         |          |          |          |                 |          |           |   |   |           |            | 64                      |                 |            |                   |          | _         |              |          | $\perp$  |   |              | 114        |                |          | $\Box$       | $\perp$   |              |           | $\perp$   |          |   |  |  |
|          |                              |          | M            | Ц        |          |          |                 |          |           |   | _ |           |            | 65                      | $\dashv$        | 4          | -                 | _        | 4         | 4            | 4        | +        | -                                       | <u> </u>     | 115<br>116 | <b> </b>       | -        | +            | +         | +            | +         | +-        |          |   |  |  |
| }        |                              | 16<br>17 | 1            |          |          |          |                 |          |           |   |   |           |            | 66<br>67                | +               | $\dashv$   | $\dashv$          | $\dashv$ | +         | $\dashv$     | +        | $\dashv$ | -                                       |              | 117        | $\vdash$       | $\dashv$ | +            | +         | +            | +         | +         | Н        |   |  |  |
| t        |                              | 18       | 7            |          |          |          |                 |          |           |   |   |           |            | 68                      |                 |            |                   |          |           |              | 寸        |          | ]!!!                                    |              | 118        |                |          | I            | 土         |              |           |           |          |   |  |  |
| [        |                              | 19       | Z            |          |          |          |                 |          |           |   |   |           |            | 69                      | $\rightarrow$   | $\dashv$   | $\Box$            | _        | _         | $\downarrow$ | _        |          | 4                                       |              | 119        | $\square$      |          | 1            | 4         | 1            | 4         | _         | Ш        |   |  |  |
| -        |                              | 20<br>21 | 1            |          |          |          | _               | _        |           | _ |   |           |            | 70<br>71                | -               | +          | _                 | +        | +         | +            | $\dashv$ | +        | -                                       | <u> </u>     | 120<br>121 | $\vdash$       | $\dashv$ | +            | +         | +            | ╁         | ╁         | Н        |   |  |  |
| <u> </u> |                              | 22       | 7            |          | $\dashv$ |          |                 |          | Н         |   | _ |           |            | 72                      | $\dashv$        | $\dashv$   | $\dashv$          | $\dashv$ |           | 十            | $\dashv$ | $\dashv$ | 1                                       | -            | 122        | П              | $\dashv$ | $\dagger$    | $\top$    | $^{\dagger}$ | $\dagger$ | +-        |          |   |  |  |
| [        |                              | 23       | <b>✓</b>     |          |          |          |                 |          |           |   |   |           |            | 73                      |                 | _          |                   |          |           |              |          |          |   |              | 123        |                | $\Box$   |              | $\perp$   |              | T         |           |          |   |  |  |
|          |                              | 24       | ľ            | Щ        |          |          |                 |          |           |   |   |           |            | 74                      | $\perp$         | 4          | 4                 | 4        | 4         | 4            | 4        | +        | -                                       |              | 124        | Н              | _        | +            | 4         | 1            | +         | -         |          |   |  |  |
| }        |                              | 25<br>26 | <b>✓</b>     | Н        | $\dashv$ |          |                 | ├        |           |   | _ |           | -          | 75<br>76                | $\dashv$        | -          |                   |          | +         | $\dashv$     |          | +        | -                                       |              | 125<br>126 | Н              | $\dashv$ | +            | $\dashv$  | +            | +         | +-        | Н        |   |  |  |
| ŀ        |                              | 27       | 乙            | П        | $\dashv$ |          |                 | $\vdash$ | $\exists$ | _ |   |           |            | 77                      | $\dashv$        | $\dashv$   | $\dashv$          | 十        | 7         | $\dashv$     | T        | $\top$   | 1                                       | -            | 127        | П              | 一        | 十            | 十         | $\dagger$    | $\top$    | $\dagger$ | Н        |   |  |  |
| [        |                              | 28       | 7            |          |          |          |                 |          |           |   |   |           |            | 78                      |                 |            | $\Box$            |          |           |              |          |          | ]                                       |              | 128        | Ш              | $\Box$   | $\perp$      | $\perp$   | 1            | $\bot$    |           |          |   |  |  |
|          |                              | 29<br>30 | 1            |          |          | -        |                 | -        |           |   |   |           |            | 79<br>80                | -               | $\dashv$   | $\dashv$          | +        | +         | $\dashv$     | $\dashv$ |          | -                                       | -            | 129<br>130 |                | $\dashv$ | +            | +         | +-           | +         | +-        | Н        |   |  |  |
| 1        |                              | 31       | -            |          | _        | $\dashv$ |                 |          |           | - |   |           | -          | 81                      | -               |            | $\dashv$          | 1        | 1         | $\dashv$     | $\dashv$ | +        | 1                                       |              | 131        | $\Box$         | _        | $\dashv$     | ╁         | +            | +         | +         | H        |   |  |  |
| . [      |                              | 32       |              |          |          |          |                 |          |           |   |   |           |            | 82                      |                 | $\Box$     |                   |          |           |              | $\Box$   |          | ]                                       |              | 132        |                |          |              | $\perp$   | I            |           |           |          |   |  |  |
| ŀ        |                              | 33<br>34 |              |          |          | _        |                 |          |           |   |   |           |            | 83<br>84                | $\dashv$        | +          | _                 | -        | $\dashv$  | $\dashv$     | $\dashv$ | +        | -                                       | <b> </b>     | 133<br>134 | Н              | -        | +            | +         | ╁            | - -       | -         | Н        |   |  |  |
| ŀ        |                              | 35       | -            | H        |          |          |                 |          |           |   |   |           |            | 85                      | $\dashv$        | ᅥ          | ╅                 | $\dashv$ | +         | $\dashv$     | $\dashv$ | +        | 1                                       | -            | 135        | $\vdash$       | -        | +            | +         | +            | ╁         | +         | H        |   |  |  |
|          |                              | 36       |              |          |          |          |                 |          |           |   |   |           |            | 86                      |                 |            |                   |          |           |              |          |          |   |              | 136        |                |          |              |           |              |           |           |          |   |  |  |
| -        |                              | 37       | -            |          | _        | _        |                 |          | _         | Ш |   |           |            | 87                      |                 | 4          |                   | _        | 4         | 4            | 4        | _        | -                                       |              | 137        | $\vdash$       | $\dashv$ | _            | -         | +            | +         | +-        | $\vdash$ |   |  |  |
| }        |                              | 38<br>39 | -            |          |          | -        |                 |          |           |   |   |           |            | 88<br>89                | $\dashv$        | $\dashv$   | -+                | $\dashv$ | $\dashv$  | $\dashv$     | $\dashv$ | $\dashv$ | -                                       | -            | 138<br>139 | $\vdash$       | $\dashv$ | +            | +         | +            | +         | +         | H        |   |  |  |
| ţ        |                              | 40       |              |          |          |          |                 |          |           |   |   |           |            | 90                      |                 |            | コ                 |          |           |              | ╛        |          |   |              | 140        |                |          |              |           |              | İ         |           |          |   |  |  |
| Ţ        |                              | 41       |              |          |          |          |                 |          |           |   |   |           |            | 91                      | $\Box$          | $\exists$  | $\exists$         | Ţ        | $\Box$    | $\exists$    | Ţ        | $\bot$   | ]                                       |              | 141        | П              | I        | Ţ            | T         | $\perp$      | _[_       |           | П        |   |  |  |
| }        |                              | 42       | <del> </del> | $\vdash$ |          | $\dashv$ | H               | H        |           | Н |   |           |            | 92<br>93                |                 | $\dashv$   | $\dashv$          | +        | +         | +            | $\dashv$ |          | -                                       | -            | 142<br>143 | Н              | $\dashv$ | +            | +         | +            | +         | +         | Н        |   |  |  |
| ŀ        |                              | 44       | $\vdash$     | H        | _        | $\dashv$ |                 | H        | Н         | Н | _ |           |            | 94                      | $\dashv$        | $\dashv$   | $\dashv$          | $\dashv$ | $\dashv$  | $\dashv$     | +        | +        | 1                                       |              | 144        | H              | $\dashv$ | $\dashv$     | +         | +            | $\dagger$ | +         | H        |   |  |  |
| ļ        |                              | 45       |              |          |          |          |                 |          |           |   |   |           |            | 95                      | $\Box$          | 1          |                   | $\Box$   | $\Box$    | $\Box$       | ╛        |          | ]                                       |              | 145        |                |          | ightharpoons | 1         | Ţ            | $\perp$   |           | 口        |   |  |  |
| }        |                              | 46<br>47 |              | $\sqcup$ | _        | _        | $\vdash \vdash$ | Н        |           |   |   |           |            | 96<br>97                |                 | $\dashv$   | $\dashv$          | +        | $\dashv$  | +            | $\dashv$ |          | -                                       |              | 146<br>147 | $\vdash$       | $\dashv$ | +            | +         | +            | +         | +-        | Н        |   |  |  |
| ļ        | $\neg$                       | 48       | $\vdash$     | $\vdash$ | -        |          | $\vdash$        | $\vdash$ | Н         |   |   |           |            | 98                      |                 | _          | _†                | $\dashv$ | _         | _†           | $\dashv$ | +        | 1                                       |              | 148        | H              | $\dashv$ | $\dashv$     | $\dagger$ | +            | +         | +         | H        |   |  |  |

- **.**